Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   **(Currently Amended)** A method of producing inspection data for inspecting a parts-mounted board by image processing, comprising:

~~characterized in that an~~ reading inspection data corresponding to each part on a board constituting an object of inspection ~~is read~~ from a ~~part~~ parts library produced in advance[[,]];

~~and the process for~~ setting the inspection data at the mounting position of ~~said~~ the part ~~is executed, after which;~~

detecting an image area corresponding to each land ~~is detected~~ on an image picked up from a model of the board constituting ~~said~~ the object of inspection[[,]]; and

based on ~~this inspection~~ the detection result, automatically correcting the set data ~~of the~~ for setting an inspection window included in ~~said~~ the inspection data ~~is corrected,~~ so that the inspection window is adapted for inspection of the board.

2.   **(Currently Amended)** An inspection data producing method according to claim 1,

~~characterized in that in~~ wherein the ~~process~~ step of detecting the image area corresponding to ~~said~~ the land~~, the process is executed for~~ comprises:

retrieving the position of the land edges with reference to a solder inspection window based on the set data before correction on the image of ~~said~~ the model.

3.   **(Currently Amended)** An inspection data producing method according to claim 1,

~~characterized in that~~ wherein, in accordance with the correction of the set data of ~~said~~ the inspection window, ~~an~~ inspection reference data corresponding to the ~~corrected~~ inspection window is corrected.

4. . **(Currently Amended)** An inspection data producing method according to claim 1,

~~characterized in that~~ wherein, using the corrected inspection data for a predetermined part on ~~said~~ the board, ~~the~~ inspection data for ~~the~~ parts of the same type as ~~said~~ the predetermined part is corrected.

5. **(Currently Amended)** An inspection data producing method according to claim 1,

~~characterized in that~~ wherein the inspection data shared by the parts is produced using the inspection data corrected for the same type of parts on ~~said~~ the board, and the inspection data for each part in rewritten into ~~said~~ the common inspection data.

6. **(Currently Amended)** An inspection data producing method according to claim 1,

~~characterized in that the process for~~ further comprising the step of:

rewriting ~~said~~ the parts library or ~~the process for~~ producing a new parts library ~~is executed~~ for a predetermined part using the corrected inspection data.

7. **(Currently Amended)** A board inspection apparatus comprising:

image input means for inputting an image picked up of a board;

data file producing means for producing an inspection data file required for inspection of a board to be inspected, by ~~executing the process for~~ reading the inspection data corresponding to each part from a parts library ~~producing in advance~~ and setting ~~said~~ the inspection data on ~~the~~ a mounting position of ~~said~~ the part;

land inspection means for receiving an input model image of a corresponding board after complete production of ~~said~~ the inspection data file and detecting an image area corresponding to ~~the~~ a land on ~~said~~ the image;

correcting means for automatically correcting the set data ~~of~~ for setting an inspection window ~~in accordance with said~~ based on the detected image area, so that the inspection window is adapted for inspection of the board to be inspected; and

registration means for registering, in a memory, the inspection data file including the corrected set data ~~after correction.~~

8.   (New) A board inspecting apparatus according to claim 7, wherein the memory corresponds to the parts library.

9.   (New) A board inspecting apparatus according to claim 7, wherein the inspection data includes luminance and brightness values of Red, Green and Blue light shined on the part when mounted on the board.

10.   (New) A board inspecting apparatus according to claim 7, wherein, when the inspection window has been corrected using an image of the board in which no parts are mounted thereon,

    the image input means images a second board on which parts are mounted thereon,

    wherein, based on the imaging of the second model of the board, the registration means only registers the inspection data file after making a determination that the corrected inspection data is proper.

11.   (New) A board inspecting apparatus according to claim 7, wherein the inspection window is corrected using the image picked up from the model of the board on which no parts have been mounted.

12.   (New) An inspection data producing method according to claim 1, wherein the inspection data includes luminance and brightness values of Red, Green and Blue light shined on the part when mounted on the board.

13.   (New) An inspection data producing method according to claim 1, wherein, after the inspection window has been corrected using the image of the board in which no parts are mounted thereon, the method comprises:

    imaging a second model of the board in which parts are mounted thereon; and

    determining, based on the imaging of the second model of the board, whether the corrected inspection data is proper.

14.   (New) An inspection data producing method according to claim 1, wherein the inspection window is corrected using the image picked up from the model of the board on which no parts have been mounted.

15.   (New) An inspection data producing method according to claim 1, wherein the inspection data is automatically corrected when the image area corresponds to each land on the model of the board has been either increased or decreased with respect to the read inspection data.

16.   (New) A board inspecting apparatus according to claim 7, wherein the inspection data file including the corrected set data is automatically corrected when the image area corresponds to each land on the board to be inspected has been either increased or decreased with respect to the read inspection data.